UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



Region 6 Laboratory

Environmental Services Branch 10625 Fallstone Road, Houston, TX 77099 Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

| Site NameOil Trust Fund |
|---|
| Sample Collection Date(s) 08/13/10 - 08/15/10 |
| Contact Rich Mayer (6PD-F) |
| Report Date08/20/10 |
| Project # 10REG232 |
| Work Order(s)1008027 |
| |
| |
| rt: |

Analyses included in this report:

LC DOSS

Report Narrative

DOSS was not found at or above the reporting limit for the samples in this work order

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

Reporting limits are adjusted for sample size and matrix interference.

| Report Approvals: | |
|-----------------------------|----------------------------------|
| Richard McMillin | David Neleigh |
| Region 6 Laboratory Manager | Region 6 Laboratory Branch Chief |
| | |

THITED STATES

Please provide a reason for holding:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road Houston, Texas 77099

Sample Receipt and Disposal

| Site Name: Oil Trust Fund | Project Number: 10REG232 |
|---|--|
| Data Management Coordinator: Christy Warr | ren |
| | / / |
| Data Management Coordinator Signature | Date |
| Date Transmitted:/ | |
| Please have the U.S. EPA Project Manager/Of comments or questions. | fficer call the Data Management Coordinator at 3-2137 for any |
| Please sign and date this form below and return | rn it with any comments to: |
| Christy Warren Data Management Coordinator Region 6 Laboratory 6MD-HS | |
| Received by and Date | |
| Comments: | |
| The laboratory routinely disposes of samples 9 hold these samples in custody longer than 90 d | 90 days after all analyses have been completed. If you have a need to days, please sign below. |
| Signature | Date |



Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

ANALYTICAL REPORT FOR SAMPLES

| Station ID | Laboratory ID | Sample Type | Date Collected | Date Received |
|--------------------------|---------------|-------------|----------------|----------------|
| T008-0023-100814-SW-1 | 1008027-01 | Liquid | 8/14/10 12:52 | 08/16/10 09:20 |
| T008-0024-100814-SW-1 | 1008027-02 | Liquid | 8/14/10 12:20 | 08/16/10 09:20 |
| T008-0025-100814-SW-1 | 1008027-03 | Liquid | 8/14/10 11:40 | 08/16/10 09:20 |
| T008-0026-100814-SW-1 | 1008027-04 | Liquid | 8/14/10 11:00 | 08/16/10 09:20 |
| T008-0027-100814-SW-1 | 1008027-05 | Liquid | 8/14/10 10:15 | 08/16/10 09:20 |
| T008-0022-100815-SW-1 | 1008027-06 | Liquid | 8/15/10 9:10 | 08/16/10 09:20 |
| T005-0036-100813-SW-1 | 1008027-07 | Liquid | 8/13/10 8:55 | 08/16/10 09:20 |
| T005-0037-100813-SW-1 | 1008027-08 | Liquid | 8/13/10 9:55 | 08/16/10 09:20 |
| T005-0039-100813-SW-1 | 1008027-09 | Liquid | 8/13/10 10:40 | 08/16/10 09:20 |
| T005-0040-100813-SW-1 | 1008027-10 | Liquid | 8/13/10 11:20 | 08/16/10 09:20 |
| T005-0034-100814-SW-1 | 1008027-11 | Liquid | 8/14/10 9:40 | 08/16/10 09:20 |
| T005-0035-100814-SW-1 | 1008027-12 | Liquid | 8/14/10 8:30 | 08/16/10 09:20 |
| T005-0031-100815-SW-1 | 1008027-13 | Liquid | 8/15/10 11:10 | 08/16/10 09:20 |
| T005-0032-100815-SW-1 | 1008027-14 | Liquid | 8/15/10 10:05 | 08/16/10 09:20 |
| T005-0032-100815-SW-2 | 1008027-15 | Liquid | 8/15/10 10:05 | 08/16/10 09:20 |
| T005-0033-100815-SW-1 | 1008027-16 | Liquid | 8/15/10 9:10 | 08/16/10 09:20 |
| T001-1337-100813-SW-00-1 | 1008027-17 | Liquid | 8/13/10 12:05 | 08/16/10 09:20 |
| T001-1344-100815-SW-05-1 | 1008027-18 | Liquid | 8/15/10 12:20 | 08/16/10 09:20 |
| T001-1353-100815-SW-00-1 | 1008027-19 | Liquid | 8/15/10 14:30 | 08/16/10 09:20 |
| T001-2346-100814-SW-00-1 | 1008027-20 | Liquid | 8/14/10 13:20 | 08/16/10 09:20 |
| T001-2346-100814-SW-00-2 | 1008027-21 | Liquid | 8/14/10 13:20 | 08/16/10 09:20 |
| T001-2350-100813-SW-00-1 | 1008027-22 | Liquid | 8/13/10 9:45 | 08/16/10 09:20 |
| T001-2350-100813-SW-00-2 | 1008027-23 | Liquid | 8/13/10 9:45 | 08/16/10 09:20 |
| T001-2354-100813-SW-00-1 | 1008027-24 | Liquid | 8/13/10 11:05 | 08/16/10 09:20 |
| T001-2354-100813-SW-00-2 | 1008027-25 | Liquid | 8/13/10 11:05 | 08/16/10 09:20 |
| T001-2358-100815-SW-00-1 | 1008027-26 | Liquid | 8/15/10 13:30 | 08/16/10 09:20 |
| T001-2359-100814-SW-00-1 | 1008027-27 | Liquid | 8/14/10 9:30 | 08/16/10 09:20 |
| T001-2365-100815-SW-00-1 | 1008027-28 | Liquid | 8/15/10 10:00 | 08/16/10 09:20 |
| T001-2471-100815-SW-00-1 | 1008027-29 | Liquid | 8/15/10 11:10 | 08/16/10 09:20 |

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-01 Station ID: T008-0023-100814-SW-1

Batch: B0H1604 Date Collected: 08/14/10 Sample Type: Liquid Sample Volume: 24 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared | Analyzed | |
|----------------|----------------|-----------------------|-----------|---------------------|----------|----------|--|
| Surr: DOSS-D34 | 188 | | 108 | 50-150 | 08/16/10 | 08/16/10 | |
| Torques | | | | | | | |

Targets

| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
|--|----------------|-----------------------|--------------------|----------|-------------------|
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | U | | 19.6 | 1 | 08/16/10 08/16/10 |

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-02 Station ID: T008-0024-100814-SW-1

Batch: B0H1604 Date Collected: 08/14/10 Sample Type: Liquid Sample Volume: 24 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 185 | | 106 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | U | | 19.6 | 1 | 08/16/10 08/16/10 |

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-03

Batch: B0H1604 Sample Type: Liquid 08/14/10

Station ID: T008-0025-100814-SW-1

Date Collected: 08/14/10 Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 183 | | 100 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | U | | 20.0 | 1 | 08/16/10 08/16/10 |

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-04

Batch: B0H1604 Sample Type: Liquid Date Collected: 08/14/10 Sample Volume: 24 ml

Sample Qualifiers:

Station ID: T008-0026-100814-SW-1

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared | Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|----------|----------|
| Surr: DOSS-D34 | 184 | | 105 | 50-150 | 08/16/10 | 08/16/10 |
| | | Targets | | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared | Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | U | | 19.6 | 1 | 08/16/10 | 08/16/10 |

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Region 6 Laboratory

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DOSS by LC/MS/MS

Lab ID: 1008027-05

Batch: B0H1604 Sample Type: Liquid Station I

Station ID: T008-0027-100814-SW-1

Date Collected: 08/14/10 Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 203 | | 111 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | U | | 20.0 | 1 | 08/16/10 08/16/10 |

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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DOSS by LC/MS/MS

Lab ID: 1008027-06

Batch: B0H1604 Sample Type: Liquid Station ID: T008-0022-100815-SW-1

Date Collected: 08/15/10 Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared | Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|----------|----------|
| Surr: DOSS-D34 | 202 | | 111 | 50-150 | 08/16/10 | 08/16/10 |
| | | Targets | | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared | Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | U | | 20.0 | 1 | 08/16/10 | 08/16/10 |

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DOSS by LC/MS/MS

1008027-07 Lab ID:

Batch: B0H1604 Sample Type: Liquid Date Collected: 08/13/10

Sample Volume: 24 ml Sample Qualifiers:

Station ID: T005-0036-100813-SW-1

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared | Analyzed |
|----------------------|----------------|-----------------------|--------------------|---------------------|----------|----------|
| Surr: DOSS-D34 | 206 | | 118 | 50-150 | 08/16/10 | 08/16/10 |
| | | Targets | | | | |
| Analyte (CAS Number) | Result | Analyte Qualifiers | Reporting Limit | | Prepared | Analyzed |

Dioctyl sulfosuccinate, sodium salt (577-11-7) U 20.0 08/16/10 08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-08

Batch: B0H1604 Date Collected: 08/13/10 Sample Type: Liquid Sample Volume: 23 ml

Sample Qualifiers:

Station ID: T005-0037-100813-SW-1

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | | %Recovery Limits | Prepared Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 210 | | 115 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | U | | 20.0 | 1 | 08/16/10 08/16/10 |

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DOSS by LC/MS/MS

Lab ID: 1008027-09

Dioctyl sulfosuccinate, sodium salt (577-11-7)

Batch: B0H1604 Sample Type: Liquid Date Collected: 08/13/10 Sample Volume: 19 ml

Sample Qualifiers:

08/16/10 08/16/10

Station ID: T005-0039-100813-SW-1

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Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyzed |
|----------------------|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 245 | | 111 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |

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DOSS by LC/MS/MS

Lab ID: 1008027-10

Dioctyl sulfosuccinate, sodium salt (577-11-7)

Batch: B0H1604 Sample Type: Liquid Date Collected: 08/13/10

Sample Volume: 23 ml

Sample Qualifiers:

08/16/10 08/16/10

Station ID: T005-0040-100813-SW-1

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyzed |
|----------------------|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 209 | | 114 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | | Prepared Analyzed |

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DOSS by LC/MS/MS

Lab ID: 1008027-11

Batch: B0H1604 Sample Type: Liquid Station ID: T005-0034-100814-SW-1

Date Collected: 08/14/10 Sample Volume: 22 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 211 | | 110 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | U | | 19.5 | 1 | 08/16/10 08/16/10 |

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DOSS by LC/MS/MS

Lab ID: 1008027-12 Station ID: T005-0035-100814-SW-1

Batch: B0H1604 Date Collected: 08/14/10 Sample Type: Liquid Sample Volume: 21 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyzed |
|---|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 223 | | 112 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
| Dioctyl sulfosuccinate sodium salt (577-11-7) | IJ | | 20.0 | 1 | 08/16/10 08/16/10 |

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DOSS by LC/MS/MS

Lab ID: 1008027-13

Batch: B0H1604 Sample Type: Liquid Date Collected: 08/15/10 Sample Volume: 23 ml

Sample Qualifiers:

Station ID: T005-0031-100815-SW-1

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyzed |
|---|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 211 | | 115 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
| Dioctyl sulfosuccinate sodium salt (577-11-7) | IJ | | 20.0 | 1 | 08/16/10 08/16/10 |

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-14

Batch: B0H1604 Sample Type: Liquid **Station ID: T005-0032-100815-SW-1**Date Collected: 08/15/10

Sample Volume: 22 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared | Analyzed |
|----------------------|----------------|-----------------------|--------------------|---------------------|----------|----------|
| Surr: DOSS-D34 | 219 | | 115 | 50-150 | 08/16/10 | 08/16/10 |
| | | Targets | | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | S Dilution | Prepared | Analyzed |

Dioctyl sulfosuccinate, sodium salt (577-11-7)

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08/16/10

08/16/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-15

Batch: B0H1604 Sample Type: Liquid Station ID: T005-0032-100815-SW-2

Date Collected: 08/15/10 Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyzed |
|---|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 197 | | 108 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
| Dioctyl sulfosuccinate sodium salt (577-11-7) | IJ | | 20.0 | 1 | 08/16/10 08/16/10 |

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-16

Batch: B0H1604 Sample Type: Liquid Station ID: T005-0033-100815-SW-1

Date Collected: 08/15/10 Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 195 | | 107 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | U | | 19.6 | 1 | 08/16/10 08/16/10 |

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-17

Batch: B0H1604 Sample Type: Liquid Station ID: T001-1337-100813-SW-00-1

Date Collected: 08/13/10 Sample Volume: 24 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared | Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|----------|----------|
| Surr: DOSS-D34 | 199 | | 114 | 50-150 | 08/16/10 | 08/16/10 |
| | | Targets | | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared | Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | IJ | | 17.9 | 1 | 08/16/10 | 08/16/10 |

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-18

Batch: B0H1604 Sample Type: Liquid Station ID: T001-1344-100815-SW-05-1

Date Collected: 08/15/10 Sample Volume: 21 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyze |
|--|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 218 | | 109 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyze |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | U | | 20.0 | 1 | 08/16/10 08/16/10 |

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-19

Batch: B0H1604 Sample Type: Liquid Station ID: T001-1353-100815-SW-00-1

Date Collected: 08/15/10 Sample Volume: 20 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 244 | | 116 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | IJ | | 20.0 | 1 | 08/16/10 08/16/10 |

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-20

Batch: B0H1604 Sample Type: Liquid Station ID: T001-2346-100814-SW-00-1

Date Collected: 08/14/10 Sample Volume: 20 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 242 | | 115 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | U | | 19.5 | 1 | 08/16/10 08/16/10 |

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-21

Batch: B0H1604 Sample Type: Liquid Station ID: T001-2346-100814-SW-00-2

Date Collected: 08/14/10 Sample Volume: 21 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared | Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|----------|----------|
| Surr: DOSS-D34 | 210 | | 105 | 50-150 | 08/16/10 | 08/16/10 |
| | | Targets | | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared | Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | U | | 20.0 | 1 | 08/16/10 | 08/16/10 |

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-22

Batch: B0H1604 Sample Type: Liquid Station ID: T001-2350-100813-SW-00-1

Date Collected: 08/13/10 Sample Volume: 19 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 249 | | 113 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | U | | 20.0 | 1 | 08/16/10 08/16/10 |

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-23

Batch: B0H1604 Sample Type: Liquid Station ID: T001-2350-100813-SW-00-2

Date Collected: 08/13/10 Sample Volume: 20 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 190 | | 90.4 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | U | | 20.0 | 1 | 08/16/10 08/16/10 |

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-24

Batch: B0H1604 Sample Type: Liquid Station ID: T001-2354-100813-SW-00-1

Date Collected: 08/13/10 Sample Volume: 20 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 201 | | 95.9 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | U | | 20.0 | 1 | 08/16/10 08/16/10 |

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-25

Batch: B0H1604 Sample Type: Liquid Station ID: T001-2354-100813-SW-00-2

Date Collected: 08/13/10 Sample Volume: 20 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared . | Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|------------|----------|
| Surr: DOSS-D34 | 203 | | 96.5 | 50-150 | 08/16/10 | 08/16/10 |
| | | Targets | | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared | Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | IJ | | 20.0 | 1 | 08/16/10 | 08/16/10 |

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-26

Batch: B0H1604 Sample Type: Liquid Station ID: T001-2358-100815-SW-00-1

Date Collected: 08/15/10 Sample Volume: 19 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | | %Recovery Limits | Prepared Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 215 | | 97.4 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | U | | 20.0 | 1 | 08/16/10 08/16/10 |

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-27

Batch: B0H1604 Sample Type: Liquid Station ID: T001-2359-100814-SW-00-1

Date Collected: 08/14/10 Sample Volume: 20 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyzed |
|---|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 210 | | 99.8 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
| Dioctyl sulfosuccinate sodium salt (577-11-7) | IJ | | 20.0 | 1 | 08/16/10 08/16/10 |

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-28

Batch: B0H1604 Sample Type: Liquid Station ID: T001-2365-100815-SW-00-1

Date Collected: 08/15/10 Sample Volume: 20 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 215 | | 102 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | U | | 20.0 | 1 | 08/16/10 08/16/10 |

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-29

Batch: B0H1604 Sample Type: Liquid Station ID: T001-2471-100815-SW-00-1

Date Collected: 08/15/10 Sample Volume: 18 ml

Sample Qualifiers:

Surrogates

| Analyte | Result µg/l | Analyte Qualifiers | %Recovery | %Recovery Limits | Prepared Analyzed |
|--|----------------|-----------------------|--------------------|---------------------|-------------------|
| Surr: DOSS-D34 | 236 | | 101 | 50-150 | 08/16/10 08/16/10 |
| | | Targets | | | |
| Analyte (CAS Number) | Result µg/l | Analyte Qualifiers | Reporting Limit | Dilution | Prepared Analyzed |
| Dioctyl sulfosuccinate, sodium salt (577-11-7) | U | | 20.0 | 1 | 08/16/10 08/16/10 |

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS - Quality Control

Batch: B0H1604 Sample Type: Liquid

Blank (**B0H1604-BLK1**)

Prepared: 8/16/2010 Analyzed: 8/16/2010

Surrogates

| | | Result | Analyte | Spike | | %REC |
|---|----------------|--------|-----------|-------|------|--------|
| | ANALYTE | μg/l | Qualifier | Level | %REC | Limits |
| , | Surr: DOSS-D34 | 224 | | 210 | 107 | 50-150 |

Blank (**B0H1604-BLK1**)

Prepared: 8/16/2010 Analyzed: 8/16/2010

Targets

| ANALYTE | | Analyte Reporting Qualifiers Limit | |
|--------------------------------|---|------------------------------------|--|
| Dioctyl sulfosuccinate, sodium | U | 20.0 | |

salt

Blank (B0H1604-BLK2)

Prepared: 8/16/2010 Analyzed: 8/16/2010

Surrogates

| ANALYTE | Result µg/l | Analyte Qualifier | Spike Level | %REC | %REC Limits |
|----------------|----------------|----------------------|----------------|------|----------------|
| Surr: DOSS-D34 | 227 | | 210 | 108 | 50-150 |

Blank (**B0H1604-BLK2**)

Prepared: 8/16/2010 Analyzed: 8/16/2010

Targets

| ANALYTE | | Analyte Reporting Qualifiers Limit |
|--------------------------------|---|------------------------------------|
| Dioctyl sulfosuccinate, sodium | U | 20.0 |

Dioctyl sulfosuccinate, sodium

salt

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS - Quality Control

Batch: B0H1604 Sample Type: Liquid

LCS (B0H1604-BS1)

Prepared: 8/16/2010 Analyzed: 8/16/2010

Surrogates

| | Result | Analyte | Spike | | %REC |
|----------------|--------|-----------|-------|------|--------|
| ANALYTE | μg/l | Qualifier | Level | %REC | Limits |
| Surr: DOSS-D34 | 219 | | 210 | 104 | 50-150 |

LCS (B0H1604-BS1)

Prepared: 8/16/2010 Analyzed: 8/16/2010

Targets

| ANALYTE | Result µg/l | Analyte Reporting Qualifiers Limit | Spike Level | %REC %REC Limits | |
|-------------------------------------|----------------|---------------------------------------|----------------|---------------------|--|
| Dioctyl sulfosuccinate, sodium salt | 109 | 20.0 | 98.4 | 110 50-150 | |

LCS (B0H1604-BS2)

Prepared: 8/16/2010 Analyzed: 8/16/2010

Surrogates

| ANALYTE | Result µg/l | Analyte Qualifier | Spike Level | %REC | %REC Limits |
|----------------|----------------|----------------------|----------------|------|----------------|
| Surr: DOSS-D34 | 226 | | 210 | 108 | 50-150 |

LCS (B0H1604-BS2)

Prepared: 8/16/2010 Analyzed: 8/16/2010

Targets

| ANALYTE | Result µg/l | Analyte Reporting Qualifiers Limit | | %REC %REC Limits | |
|-------------------------------------|----------------|---------------------------------------|------|---------------------|--|
| Dioctyl sulfosuccinate, sodium salt | 113 | 20.0 | 98.4 | 115 50-150 | |

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS - Quality Control

Batch: B0H1604 Sample Type: Liquid

Matrix Spike (B0H1604-MS1)

Source: 1008027-05 Prepared: 8/16/2010 Analyzed: 8/16/2010

Surrogates

| ANALYTE | Result | Analyte | Spike | %REC |
|----------------|--------|-----------|-------|-------------|
| | µg/l | Qualifier | Level | %REC Limits |
| Surr: DOSS-D34 | 202 | | 183 | 110 50-150 |

Matrix Spike (B0H1604-MS1)

Prepared: 8/16/2010 Analyzed: 8/16/2010 Source: 1008027-05

Targets

| ANALYTE | | Analyte Reporting Qualifiers Limit | | | %REC Limits | |
|--------------------------------|------|---------------------------------------|------|-----|----------------|--|
| Dioctyl sulfosuccinate, sodium | 95.9 | 20.0 | 85.6 | 110 | 50-150 | |

Matrix Spike (B0H1604-MS2)

Prepared: 8/16/2010 Analyzed: 8/16/2010 Source: 1008027-12

Surrogates

| ANALYTE | | Analyte Qualifier | Spike Level | %REC | %REC Limits |
|----------------|-----|----------------------|----------------|------|----------------|
| Surr: DOSS-D34 | 237 | | 210 | 113 | 50-150 |

Matrix Spike (B0H1604-MS2)

Source: 1008027-12 Prepared: 8/16/2010 Analyzed: 8/16/2010

Targets

| ANALYTE | Result µg/l | Analyte Reporting Qualifiers Limit | Spike Level | Source Result | %REC | %REC Limits | |
|-------------------------------------|----------------|---------------------------------------|----------------|------------------|------|----------------|--|
| Dioctyl sulfosuccinate, sodium salt | 110 | 20.0 | 98.4 | | 111 | 50-150 | |

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS - Quality Control

Batch: B0H1604 Sample Type: Liquid

Matrix Spike (B0H1604-MS3)

Source: 1008027-22 Prepared: 8/16/2010 Analyzed: 8/16/2010

Surrogates

| ANALYTE | Result | Analyte | Spike | %REC |
|----------------|--------|-----------|-------|-------------|
| | µg/l | Qualifier | Level | %REC Limits |
| Surr: DOSS-D34 | 194 | | 221 | 87.7 50-150 |

Matrix Spike (B0H1604-MS3)

Prepared: 8/16/2010 Analyzed: 8/16/2010 Source: 1008027-22

Targets

| ANALYTE | | Analyte Reporting Qualifiers Limit | | | %REC Limits | |
|--------------------------------|-----|------------------------------------|-----|-----|----------------|--|
| Dioctyl sulfosuccinate, sodium | 120 | 20.0 | 104 | 111 | 50-150 | |

salt

Matrix Spike Dup (B0H1604-MSD1)

Prepared: 8/16/2010 Analyzed: 8/16/2010 Source: 1008027-05

Surrogates

| ANALYTE | Result µg/l | Analyte Qualifier | Spike Level | %REC | %REC Limits |
|----------------|----------------|----------------------|----------------|------|----------------|
| Surr: DOSS-D34 | 208 | | 191 | 109 | 50-150 |

Matrix Spike Dup (B0H1604-MSD1)

Source: 1008027-05 Prepared: 8/16/2010 Analyzed: 8/16/2010

Targets

| ANALYTE | | Analyte Reporting Qualifiers Limit | | | %REC Limits | RPD | RPD Limit |
|-------------------------------------|-----|------------------------------------|------|-----|----------------|------|--------------|
| Dioctyl sulfosuccinate, sodium salt | 104 | 20.0 | 89.5 | 115 | 50-150 | 8.35 | 30 |

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS - Quality Control

Batch: B0H1604 Sample Type: Liquid

Matrix Spike Dup (B0H1604-MSD2)

Source: 1008027-12 Prepared: 8/16/2010 Analyzed: 8/16/2010

Surrogates

| ANALYTE | Result | Analyte | Spike | %REC |
|----------------|--------|-----------|-------|-------------|
| | µg/l | Qualifier | Level | %REC Limits |
| Surr: DOSS-D34 | 220 | | 191 | 115 50-150 |

Matrix Spike Dup (B0H1604-MSD2)

Prepared: 8/16/2010 Analyzed: 8/16/2010 Source: 1008027-12

Targets

| ANALYTE | | Analyte Reporting Qualifiers Limit | | | %REC Limits | RPD | RPD Limit |
|--------------------------------|-----|------------------------------------|------|-----|----------------|------|--------------|
| Dioctyl sulfosuccinate, sodium | 101 | 20.0 | 89.5 | 112 | 50-150 | 8.41 | 30 |

Matrix Spike Dup (B0H1604-MSD3)

Prepared: 8/16/2010 Analyzed: 8/16/2010 Source: 1008027-22

Surrogates

| ANALYTE | Result µg/l | Analyte Qualifier | Spike Level | %REC | %REC Limits |
|----------------|----------------|----------------------|----------------|------|----------------|
| Surr: DOSS-D34 | 192 | | 210 | 91.2 | 50-150 |

Matrix Spike Dup (B0H1604-MSD3)

Source: 1008027-22 Prepared: 8/16/2010 Analyzed: 8/16/2010

Targets

| ANALYTE | | Analyte Reporting Qualifiers Limit | | | %REC Limits | RPD | RPD Limit |
|-------------------------------------|-----|------------------------------------|------|-----|----------------|------|--------------|
| Dioctyl sulfosuccinate, sodium salt | 114 | 20.0 | 98.4 | 111 | 50-150 | 4.76 | 30 |

Report Name: 1008027 FINAL 08 20 10 1318

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

| T008-0022-100814-SW-1 DOSS Surface Grab B142010 1252 2 0 mIVOA 4 C N | | | Contact | Contact Phone: 713-985-6636 | Warr -6636 | | | Lab: U.S. E | Lab: U.S. EPA Region 6 Laboratory Lab Phone: 281-983-2137 | aboratory 983-2137 |
|--|-----------------------|----------|------------------|-----------------------------|---------------|--------------|------------|-------------|--|--|
| 100814-SW-1 DOSS | | Analyses | Matrix | Collection | | Sample | Numb Cont | Container | Preservativ e | |
| 100814-5W-1 DOSS Surface Grab 81/4/2010 11:40 2 20 mI VOA 4 C N Water Surface Grab 81/4/2010 11:40 2 20 mI VOA 4 C N Water Surface Grab 81/4/2010 11:00 2 20 mI VOA 4 C N Water Surface Grab 81/4/2010 10:15 6 20 mI VOA 4 C N Water Surface Grab 81/4/2010 10:15 6 20 mI VOA 4 C N Water Surface Grab | T008-0023-100814-SW-1 | DOSS | Surface Water | Grab | 8/14/2010 | 12:52 | 2 | 20 ml VOA | 4 C | z |
| 100814-SW-1 DOSS Surface Grab 8114/2010 11:40 2 20 mI VOA 4 C N Water DOSS Surface Grab 8114/2010 11:40 2 20 mI VOA 4 C N Water Surface Grab 8114/2010 10:15 6 20 mI VOA 4 C N Water Surface Grab 8114/2010 10:15 6 20 mI VOA 4 C N Water Surface Grab Grab Surface Grab Grab Surface Grab | T008-0024-100814-SW-1 | DOSS | Surface Water | Grab | 8/14/2010 | 12:20 | 2 | 20 ml VOA | 4 C | z |
| 100814-SW-1 DOSS | T008-0025-100814-SW-1 | DOSS | Surface Water | Grab | 8/14/2010 | 11:40 | 2 | | 4 C | z |
| Reinquished by Date Received by Date Time Items/Reason Reinquished By Date Received by Date Advices Right State St | T008-0026-100814-SW-1 | DOSS | Surface Water | Grab | 8/14/2010 | 11:00 | 2 | 20 ml VOA | 4 C | z |
| Relinquished by Date Time Items/Reason Relinquished By Date Received by Date Part of the Court of | T008-0027-100814-SW-1 | SSOO | Surface Water | Grab | 8/14/2010 | 10:15 | ω | | 0 | >- |
| Relinquished by Date Received by Date Time Items/Reason Reinquished By Date Received by Date Part Ally Style Couries Style Styl | | | | | | | SAMPLES T | RANSFERRED | FROM | |
| Reason Relinquished by Date Received by Date Time ItemsReason Relinquished By Date Received by Date Close + Mat. J. Mar. Style COLLITER Style | II Instructions; | | | | | | CHAIN OF C | USTODY# | | |
| Chart March My Charles Who Sie Harris 8/1/10 Sie | | Date | Date | | ms/Reason | Relinquished | | | 0 | - |
| Le Ale Mart Botoro 9:00 | Cent | Bes. | 8/6.10 | 3 | | 3 | 4. 886C | Mary L | 12 20 | 25 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C |
| | 2 | Aly Mark | 8-1610 | dia | | | | | | |

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No: T0033-100402-20100814-09

CHAIN OF CUSTODY RECORD



Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

| Contact Phone: 713-985-6636 | SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY# C4- 8/15/6 WHO 500 Reinquished By Date Received by Dr. 3400 WHO 500 Reinquished By Date Received by Dr. 3400 WHO 500 Reinquished By Date Received by Dr. 3400 WHO 500 Reinquished By Date Received by Dr. 3400 WHO 500 Received by |
|---|---|
| Sample # Analyses T008-0022-100815-SW-1 DOSS | Relinquished by Date Received by Weak Mills Work Countries |

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

| T005-0039-100813-SW-1 DOSS Surface Grab B/13/2010 Water T005-0040-100813-SW-1 DOSS Surface Grab B/13/2010 Water Su | Contact Phone: 713-985-6636 | | Lai | Lab Phone: 281-983-2137 | Lab: U.S. EPA Region 6 Laboratory Lab Phone: 281-983-2137 |
|--|-----------------------------|--|---|--------------------------|--|
| 100813-5W-1 DOSS | Collected | Sample Numb Cor Time | Numb Cont Container | Preservativ MS/MS e D | MS/MS D |
| 100813-SW-1 DOSS Surface Grab 100813-SW-1 DOSS Surface Grab Water 100813-SW-1 DOSS Surface Grab Water Surface Grab Water Surface Grab Water Surface Grab Water Surface Surface Grab Water Surface Grab Water Surface Grab Water Water Surface Grab Water Surface Surface Grab Water Surface Grab Water Surface | 8/13/2010 00 | 08:55 | 6 20 ml VOA | 4 C | > |
| Surface Grab Water -100813-SW-1 DOSS Surface Grab Water Surface Grab Water Surface Grab Water Surface Grab Water Surface Surface Grab Water Surface Surface Grab Water Surface Surface Grab Water Surface Surface Grab Water Surface Grab Water Surface Surfa | 8,13,2010 08 | 09.55 | 2 20 ml VOA | 4 C | z |
| Relinquished by Date Received by Date Time Item 815 815 815 815 815 815 815 81 | 8/13/2010 10 | 10:40 | 2 20 ml VOA | 4 C | z |
| Relinquished by Date Received by Date Time S/S/L/L/L/L/L/L/L/L/L/L/L/L/L/L/L/L/L/L | | 11:20 | 2 20 ml VOA | 0 | z |
| Relinquished by Date Received by Date Time BIS WINE H. 8-15-15 17 U.S. BIS WINE H. 8-15-15 17 U.S. BIS | | SAMPLES | SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY# | FROM | |
| 10000000000000000000000000000000000000 | Items/Reason R | Reinquished By Date 9-1540 Wilkin H. 3300. | AD MAN Scial | Date Sylves | 2018 2018 2018 |

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

| Sample # Analyses Matrix Collection Collected Sample Numb Cont. Container Preservative Time Time Collection Collected Time Collection Collected Time Collection Collected Time Collection Collected Collection Collected Collection Collected Collec | | | | | Contact N | Contact Phone: 713-985-6636 | Varr 6636 | | | Lab: U.S. E | Lab: U.S. EPA Region 6 Laboratory Lab Phone: 281-983-2137 | aboratory 983-2137 |
|--|-------|-----------------------|----------|-----|-----------------|-----------------------------|--------------|----------------|------------|-----------------------|--|-----------------------|
| 100814-5W-1 DOSS | Lab # | Sample # | Analyses | × | latrix | Collection | Collected | Sample | Numb Cont | Container | Preservativ e | MS/MS D |
| Reimquished by Date Time Henris Reason Reimquished by Date Received by Date Side Side Side Side Side Side Side Sid | | T005-0034-100814-SW-1 | SSOO | S | urface /ater | Grab | 8/14/2010 | 09:40 | 2 | 20 ml VOA | 4 C | z |
| SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY # C | | T005-0035-100814-SW-1 | DOSS | ω≤ | urface Vater | Grab | 8/14/2010 | 08:30 | ω | 20 ml VOA | 7 P | >- |
| Reimquished by Date Received by Date Time Items/Reason Reimquished by Date Received by Date Bls 0 | | | | | | | | | | | | |
| Reinquished by Date Received by Date Time Items/Reason Reinquished By Date Received by Date Reinquished by Date Received by Date Received by Date Reinquished b | | | | | | | | | | | | |
| Relinquished by Date Received by Date Time Items/Reason Relinquished by Date Received by Date Received by Date Received by Date Received by Date Received by Date Received by Date Received by Date Received by Date Received by Date Received by Date Received by Date Received by Date Received by Date Received by Date Received by Date Received by Date Received by Date Received by Date Received by Date Received by Date Received by Date | | | | | | | | | | | | |
| Relinquished by Date Time Items/Reason Relinquished By Date Received by Da | | | | | | | | | | | | |
| Reinquished by Date Received by Date Time Items!Reason Reinquished By Date Received by Date (24 7 8/5/10 J.M.P. H. 8-154" 1745 William H. 8-1540 Story Story William H. 9-1540 Story Story | 70 | Instructions: | | | | | | | CHAIN OF C | RANSFERREI USTODY# | FROM | |
| | SE SE | B. 16.1 | 3/1 | . 6 | Jose 17 | | ns/Reason | Wilkie William | | Wit- or | 00/00 | 1 Time Time |

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

| | | R06_Dee Contact Contact P | RU6_LheepWater_Chaimette Contact Name: Kristie Warr Contact Phone: 713-985-6636 | ette Varr 5636 | | | Lab: U.S. E | Aurbilloo. Lab: U.S. EPA Region 6 Laboratory Lab Phone: 281-983-2137 | AirbillNo: Lab: U.S. EPA Region 6 Laboratory Lab Phone: 281-583-2137 |
|-----------------------|----------|---------------------------------|---|----------------------|--------|---|---|--|--|
| Lab # Sample # | Analyses | Matrix | Collection | Collected | Sample | Numb Cont Container | Container | Preservativ MS/MS e D | MS/MS D |
| T005-0031-100815-SW-1 | SSOO | Surface Water | Grab | 8/15/2010 | 11:10 | 9 | 20 ml VOA | 4 C | >- |
| T005-0032-100815-SW-1 | DOSS | Surface Water | Grab | 8/15/2010 | 10:05 | 2 | 2 20 ml VOA | 4 C | z |
| T005-0032-100815-SW-2 | SSOO | Surface Water | Grab | 8/15/2010 | 10:05 | 2 | 2 20 ml VOA | 4 C | z |
| T005-0033-100815-SW-1 | SSOQ | Surface Water | Grab | 8/15/2010 | 09:10 | 64 | 2 20 ml VOA | O 4 | z |
| Special Instructions: | | | | | | SAMPLES TRANSFERR CHAIN OF CUSTODY # | SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY# | FROM | |
| | | | | | | | | | |
| al Instructions: | | | | | | CHAIN OF CI | USTODY# | | |

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

| 0101 | 713-985-5600 | | R06 De | ep HZO H | R06 Deep H2O Horizon Reporting | fung | | | La | b Address. | Lab Address: 10625 Fallstone Rd | Rd of |
|------------------------|--|--|--|----------------------------------|---------------------------------------|--------------|------------------------|-----------|---|-------------|-------------------------------------|-------------|
| US EPAWe Venice, LA | US EPAWeston Venice, LA | | 3 | ib: EPA Houston Lab_State: TX | Lab: EPA Houston Lab Lab_State: TX | | | | | | Lab_City. Houston Lab_Zip: 77099 | ston 099 |
| Lab # | Sample # | Analyses | Matrix | Collect ion Metho d | Collect Collected ion Metho | Sample | Numb Container Cont | ıtainer | Preservati | MS/MS D | MS/MS Description D | |
| | T001-1337-100813-SW-00-1 DOSS | DOSS | Surface Water | Grab | 8/13/2010 | 12:05 | 2 20 ml VOA | II VOA | 4 C | z | | |
| | T001-1344-100815-SW-05-1 | DOSS | Surface Water | Grab | 8/15/2010 | 12:20 | 2 20 m | 20 ml VOA | 4 C | z | | |
| | T001-1353-100815-SW-00-1 | DOSS | Surface Water | Grab | 8/15/2010 | 14:30 | 2 20 m | 20 ml VOA | 4 C | z | | |
| | T001-2346-100814-SW-00-1 | DOSS | | Grab | 8/14/2010 | 13:20 | 2 20 m | 20 ml VOA | 4 C | z | | |
| | T001-2346-100814-SW-00-2 | DOSS | Surface Water | Grab | 8/14/2010 | 13:20 | 2 20 m | 20 ml VOA | 4 C | z | | |
| | T001-2350-100813-SW-00-1 | DOSS | Surface Water Grab | | 8/13/2010 | 09:45 | 6 20 m | 20 ml VOA | 4 C | > | | |
| | T001-2350-100813-SW-00-2 | DOSS | Surface Water | Grab | 8/13/2010 | 09:45 | 2 20 m | 20 ml VOA | 4 C | z | | |
| | T001-2354-100813-SW-00-1 | DOSS | Surface Water | Grab | 8/13/2010 | 11:05 | 2 20 m | 20 ml VOA | 4 C | z | | |
| | T001-2354-100813-SW-00-2 | DOSS | Surface Water | Grab | 8/13/2010 | 11:05 | 2 20 m | 20 ml VOA | 4 C | z | | |
| | T001-2358-100815-SW-00-1 | DOSS | Surface Water | Grab | 8/15/2010 | 13:30 | 2 20 m | 20 ml VOA | 4 C | z | | |
| | T001-2359-100814-SW-00-1 | DOSS | Surface Water | Grab | 8/14/2010 | 08:30 | 6 20 m | 20 ml VOA | 4 C | >- | | |
| | T001-2365-100815-SW-00-1 | DOSS | Surface Water | Grab | 8/15/2010 | 10:00 | 2 20 m | 20 ml VOA | 4 C | z | | |
| | T001-2471-100815-SW-00-1 | SSOO | Surface Water | Grab | 8/15/2010 | 11:10 | 2 20 m | 20 ml VOA | 4C | z | | |
| | | | | | | | | | 1 | 1 | , | |
| Specia | Special Instructions: Return Airbill # 8728 2414 7950 | 8 2414 7950 | | | | | | CHAIN | SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY # | "# # | W | |
| | (| | | | | | | | | | | |
| Item | Items/Reason Reinquished by | Date Received by | ed by Date | Time | ltems/F | Items/Reason | Relinquished By | , | Date Re | Received by | Date | Time |
| 20 | ast Calablus | 215/10 0 | of solute | 25: | | | Mark- | 2000 | 178 | Larris | 8/16/8 | 9.30 |
| 3 | | Ship of the ship o | Series of the se | 3 8 6 | | | | | | | | |
| | The state of the s | D | | | | | V | Sund | Sande Town 6°C | 2 | 20 | |

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

Notes and Definitions

Α This sample was extracted at a single acid pH.

HTS Sample was prepared and/or analyzed past recommended holding time. Concentrations should be

considered minimum values.

AES Atomic Emission Spectrometer

CVAA Cold Vapor Atomic Absorption

ECD Electron Capture Detector

GC Gas Chromatograph

GFAA Graphite Furnace Atomic Absorption

ICP Inductively Coupled Plasma

MS Mass Spectrometer

NA Not Applicable

NPD Nitrogen Phosphorous Detector

NR Not Reported

TCLP Toxicity Characteristic Leaching Procedure

Undetected U

Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds per square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.

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